



Enterprise Data Management Requirements for:

***Property Accountability,
Government Furnished Property
and Warranty Traceability***

DON IUID Enterprise Training Symposium

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The Need for Improvement – FY02

Finance
Language

Serial Item
Management

Serial
Number
Tracking

Acquisitio
n
Language



Data
Identifiers

Application
Identifiers

Text Element
Identifiers



Unique Item
Tracking

Maintenance Bill of
Material/As Built List

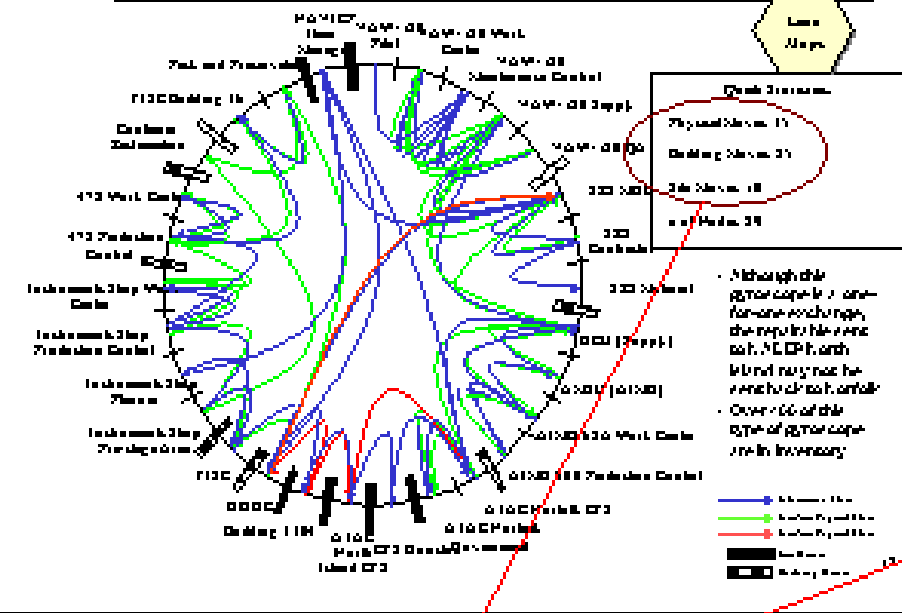
Logistics Language

Property Transfer Environment



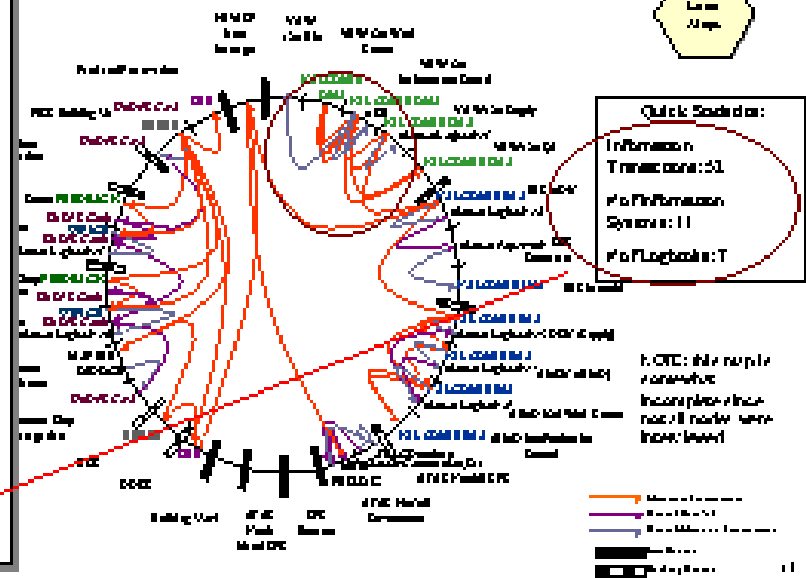
Gyroscope Organization Space

DRAFT



Gyroscope Systems Map

DRAFT



- 35 Physical Moves
- 25 Building Moves
- 10 Sites Moves
- 52 IT Transactions
- 11 Info Systems
- 7 Logbooks

- *No End-to-End Management*
- *Lack of Visibility*
- *Long-Cycle Times*
- *Increased Inventory Levels*
- *Limited Ability to Forecast*



Enterprise Data Management



Data and Process Goal

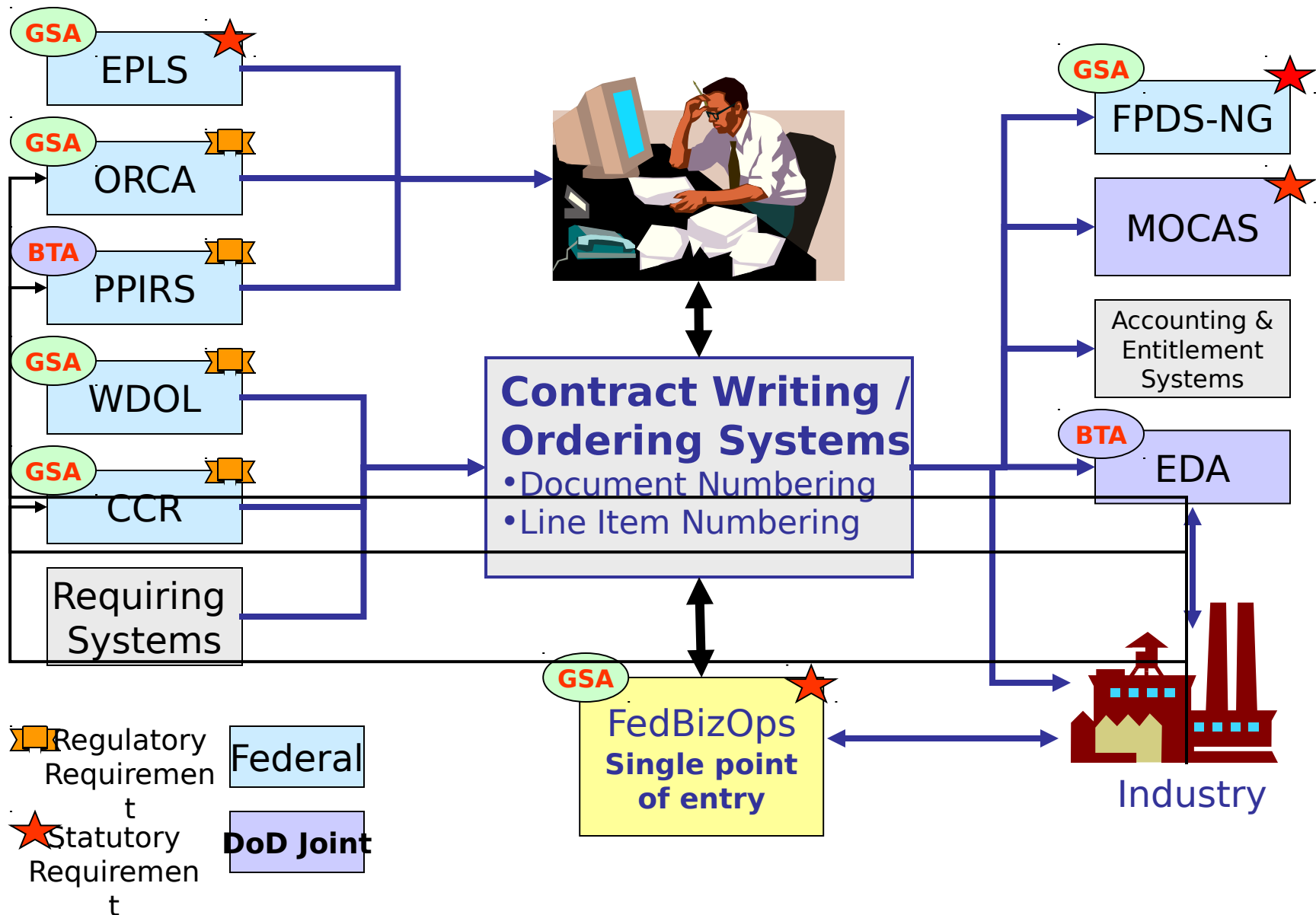
Traceability of –

- Acquisition Demand to Procurement to Logistics
- Using Business Rules, Data Keys and enforcing the Regulations

Challenge: Consistent adoption of data standards for traceability in a cross functional environment

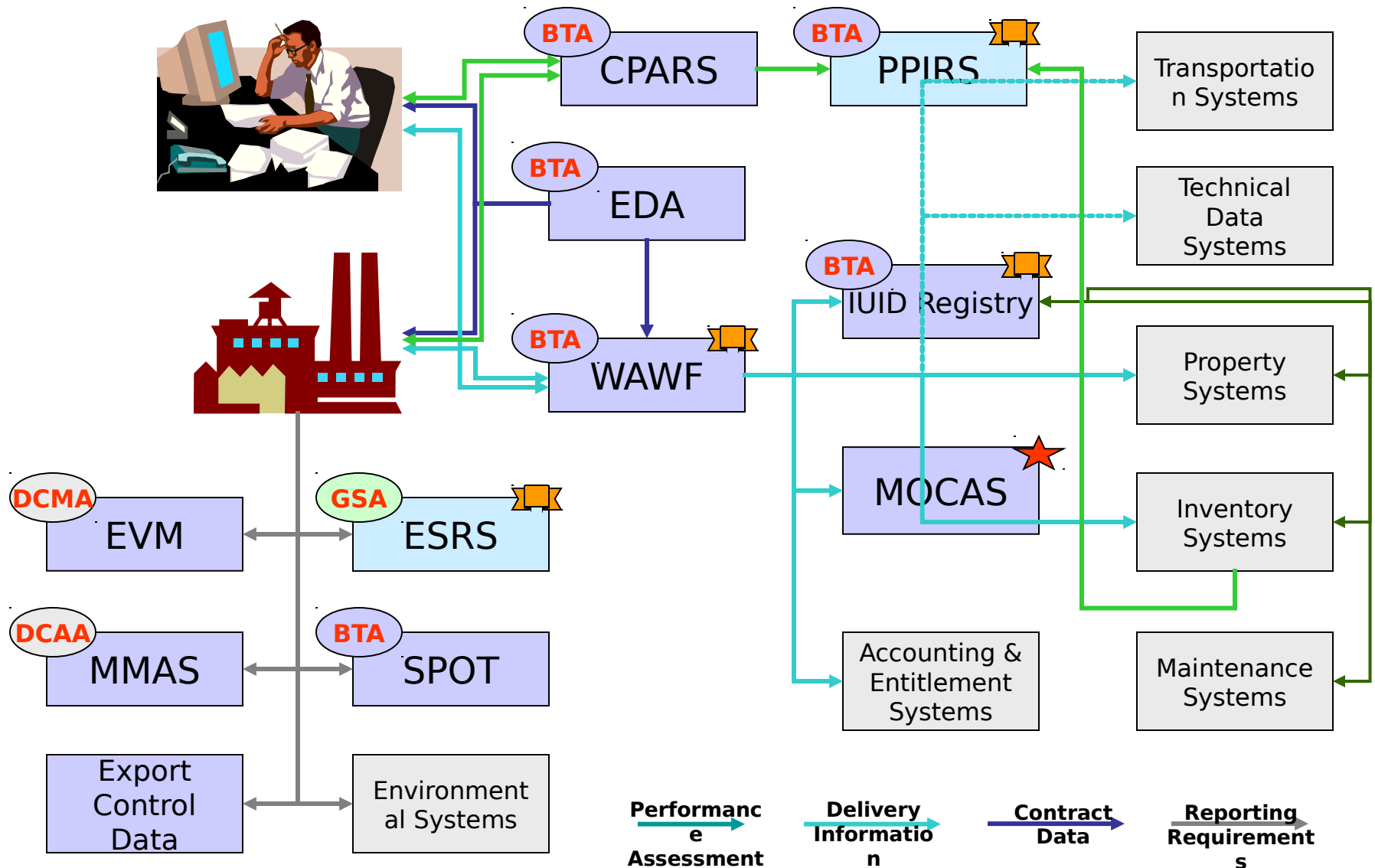


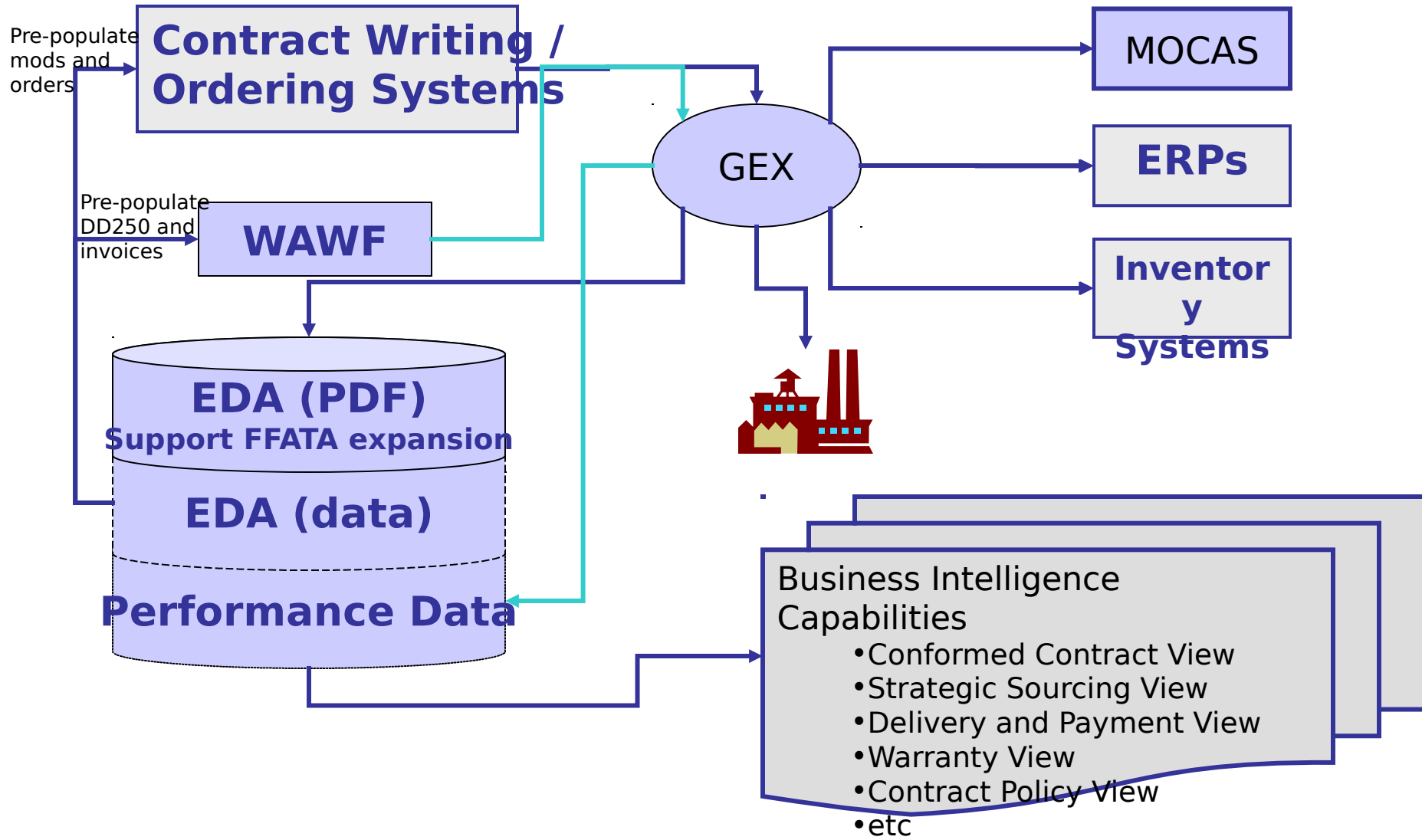
Contracting Data Flow (Award)



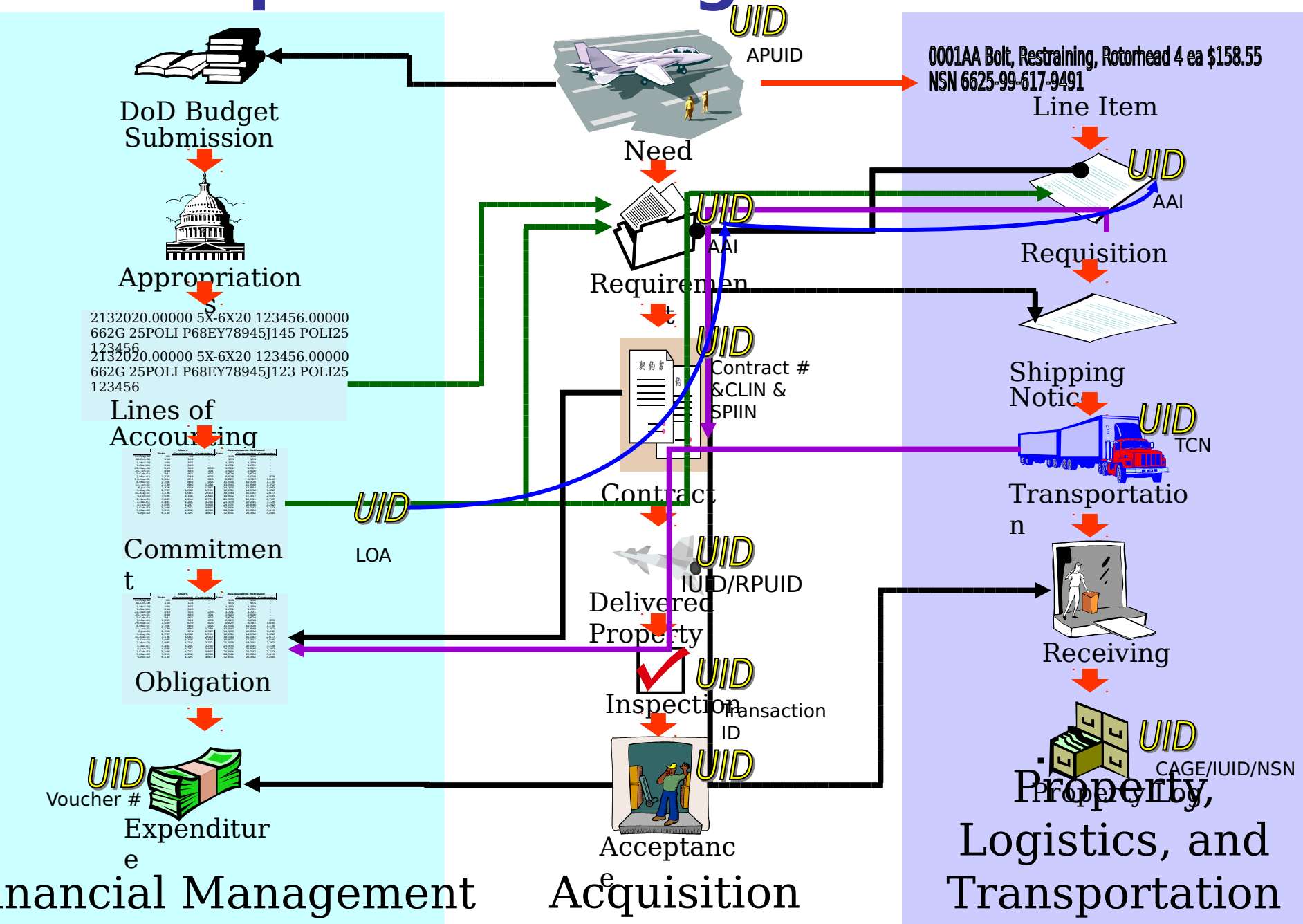


Contracting Data Flow (Administration)



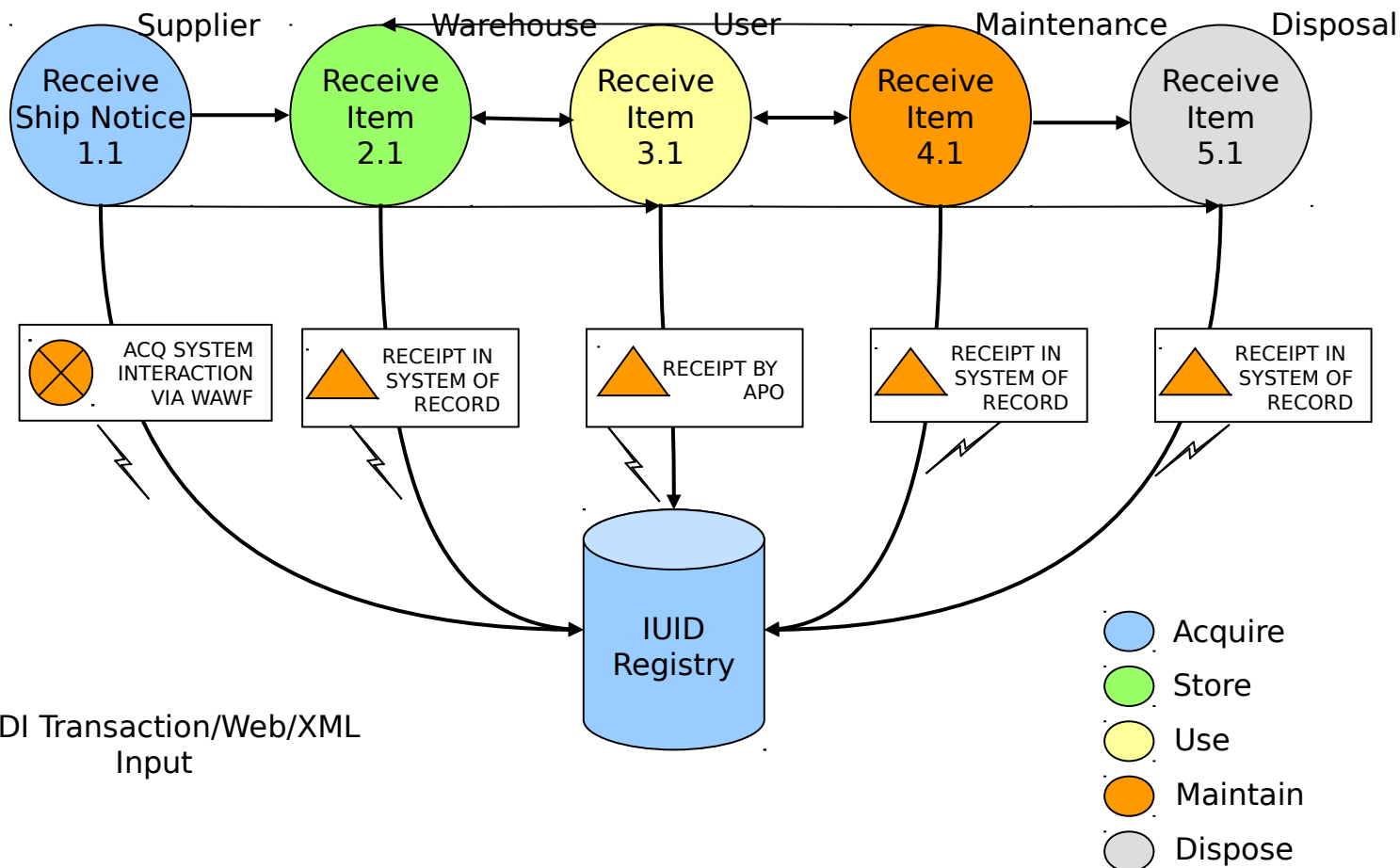


Enterprise UID Digital Data Flow





Trigger Points for IUID Registry Updates





Property Accountability Policy



Categories of Individual Items



Individual Items that are –

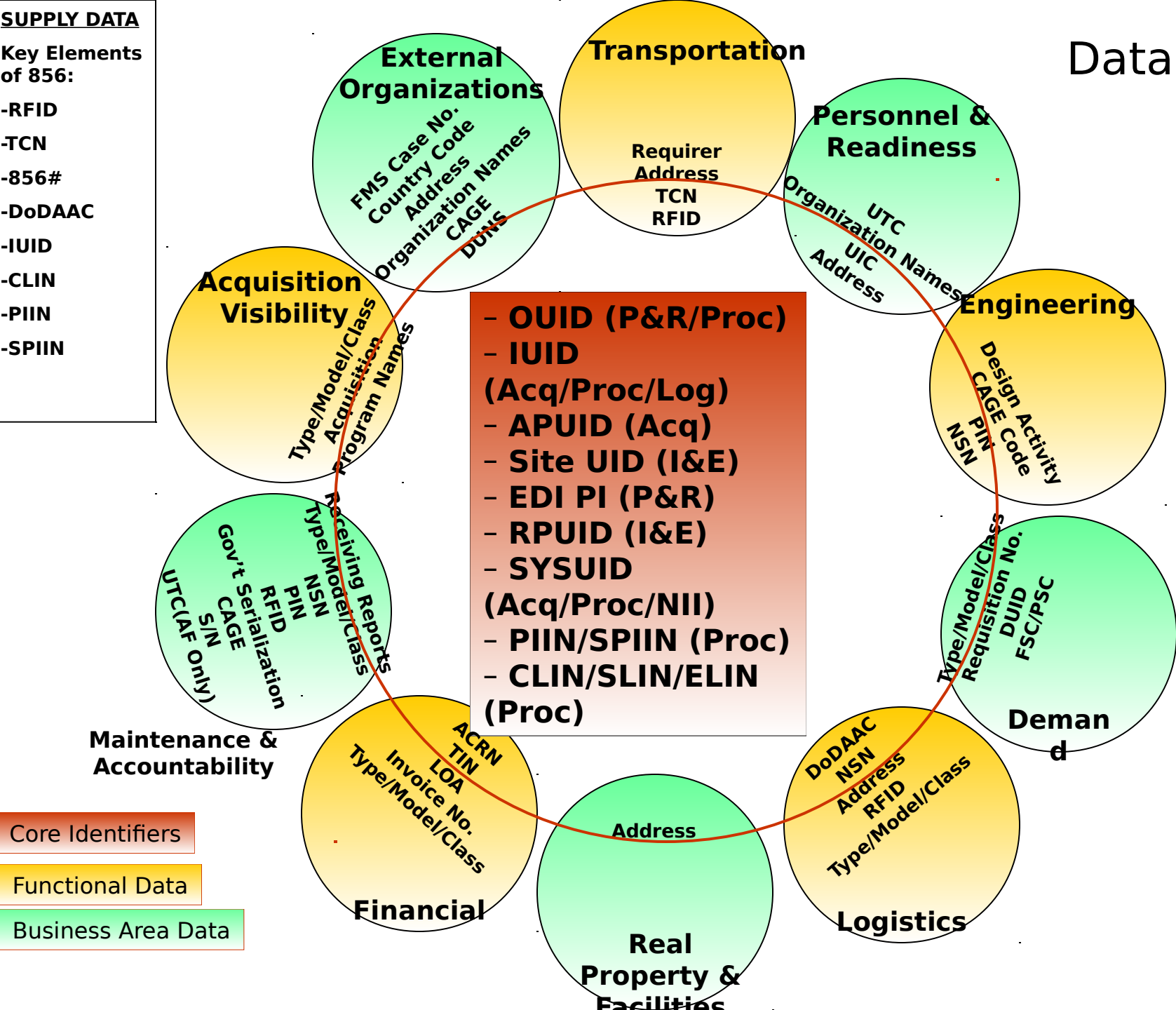
- Marked and Tracked
- Marked and Not Tracked
- Tracked and not Marked
- Not tracked or marked but should be
- Should not be marked or tracked because
 - Life cycle data at the item level is not a management goal
 - Asset visibility is required at the class not item level

SUPPLY DATA

Key Elements
of 856:

- RFID
- TCN
- 856#
- DoDAAC
- IUID
- CLIN
- PIIN
- SPIIN

Data Keys





Property Policy

(including Item Unique ID (IUID))

- ✓ MIL-STD-129P Packaging – Fall 2007
- ✓ Condition Based Maintenance Instruction – December 7, 2007
- ✓ Defense Acquisition University Packaging Module – December 2007
- ✓ DFAR Wide Area Workflow Case – Publication Date March 3, 2008
- ✓ DoD 5000 oversight transitioned March 08
 - ✓ Developing guidance for Systems Engineering Plans
 - ✓ Developing guidance for Supportability Plans
 - ✓ Commenced A&T led scorecard reviews
- ✓ Defense Acquisition University Course – IUID Marking
- ✓ DFARS 211.7003 Technical Corrections – Fall 2009
- ✓ IUID Instruction, IUID Standards for Personal Property – June 2008
- ✓ Investment Review Board criteria established (AT&L lead with BTA)
- Supply Chain Regulation 4140.1-M – under revision

Bottom Line: Get IUID Clause in all Contracts



Critical Gaps

- Ensure IUUI is integrated into DoD Quality Assurance processes
 - Supply Chain Discrepancies
 - Product Quality Discrepancy Reports
 - Joint Discrepancy Reporting System
- Ensure DoD serialized management practices are integrated with IUUI
 - DFARS case 2008-D047 – pending publication as a proposed rule
- Mapping CAGE to acquiring DoDAAC to identify buying to accountability organizations



Government Furnished Property



GFP Management Capabilities (Equipment and Materiel)

- **Ensure regulatory guidance is efficient and effective**
 - Complete DFARS 245 alignment to FAR 45; July 09
 - Modify all existing supply contracts (block change proposal pending from Defense Procurement) – 4th Qtr 09
- **Clarify policy regarding accountability and reporting of Contractor Acquired Property**
 - DoD 7000.14-R Vol 4, Chapter 6 being updated
 - DFARS clarification pending



GFP Management Capabilities (Equipment and Materiel)

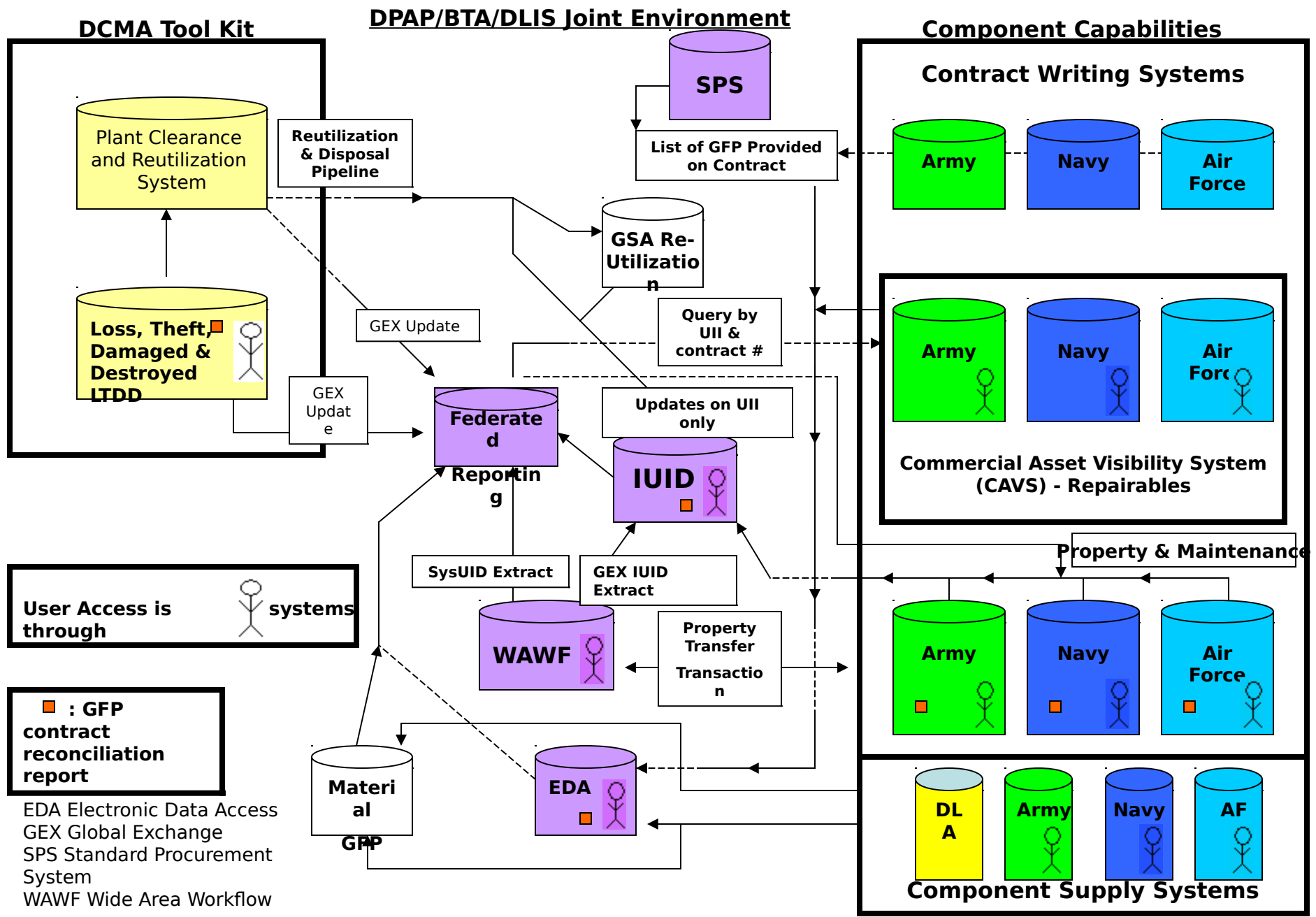
- **Ensure use of standard transactions to enable end-to-end property data traceability**
 - Establish policy for property transfer standard transactions – in draft
 - Ensure accountability of property transfers to a contract number, when shipped to and from a contractor
 - Establish Concept of Operations for GFP Business Management Environment – in draft
- **Establish data standards for government furnished property clauses and reporting - Phase III Procurement Data Standard**
- **Standardize contractor access to DoD supply system**



GFP Management Capabilities (Equipment and Materiel)

- **Develop DoD capability for paperless accountability and contract reconciliation of GFP**
 - DFARS Case 2008—D049 Reporting of Government Property Losses - pending as a proposed rule
 - Map/capture GFP supply transactions - underway
 - Develop a federated data capability for GFP reconciliation
 - Mature WAWF archives capability
- **Develop DoD capability for enterprise visibility including reporting and data management of property in the hands of contractors**
 - Supersede DoD 1662 reporting with IUID registry - DFARS 252.211-7007 published Nov 24, 2008
 - Issue guidance on reporting of materiel in hands of contractors
 - DFARS Case 2008-D048 pending as a proposed rule
 - Establish standard data format to integrate contract IUID data on GFP to enable full cost calculations of end items - full cost report; in development

Paperless Government Furnished Property (GFP) Logical Architecture





Property Transfers



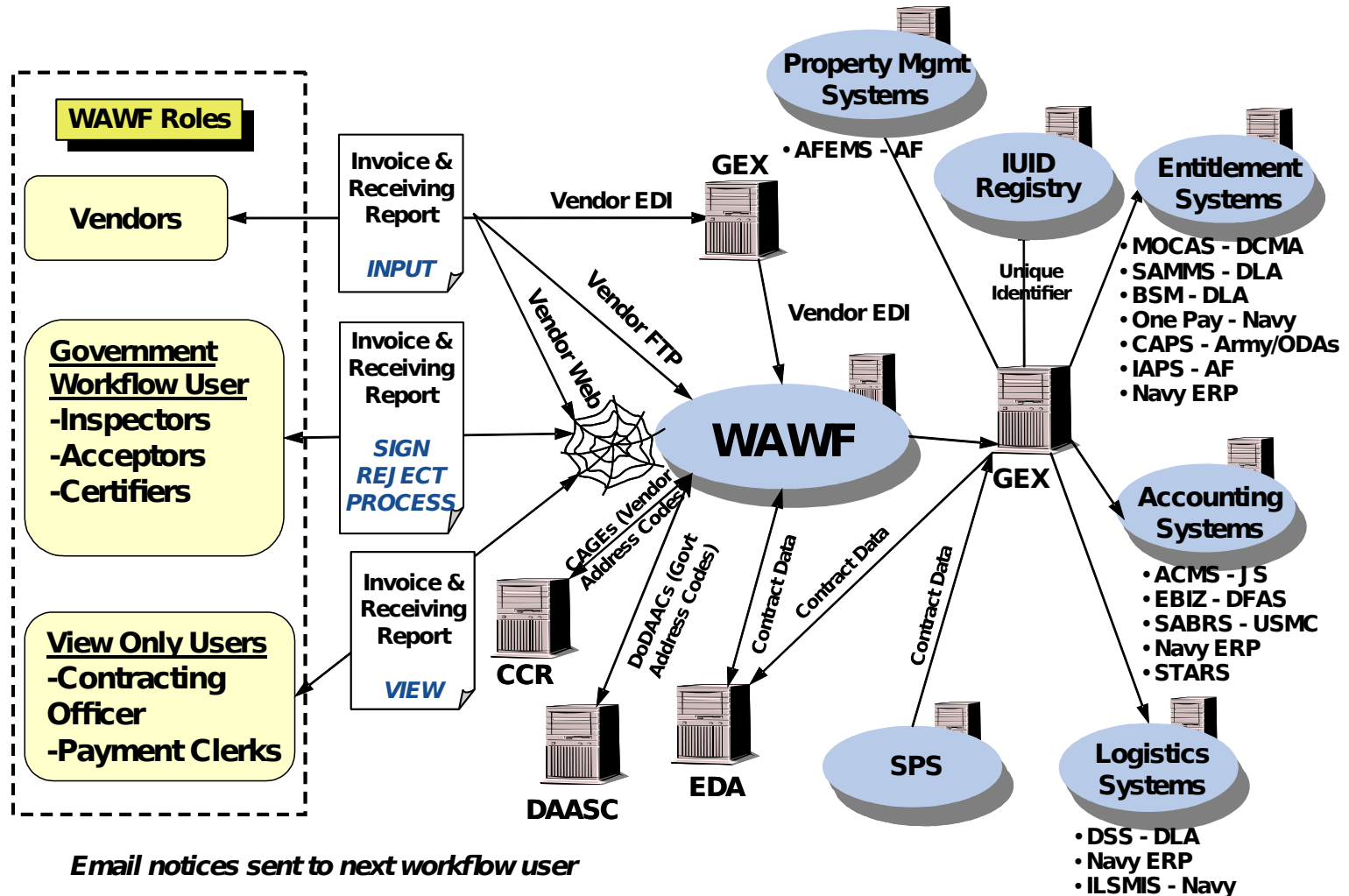
Why tracking occurs?



- Financial
- Accountability
- Life cycle management
- Supply chain management
- Support operations



WAWF Current Process State





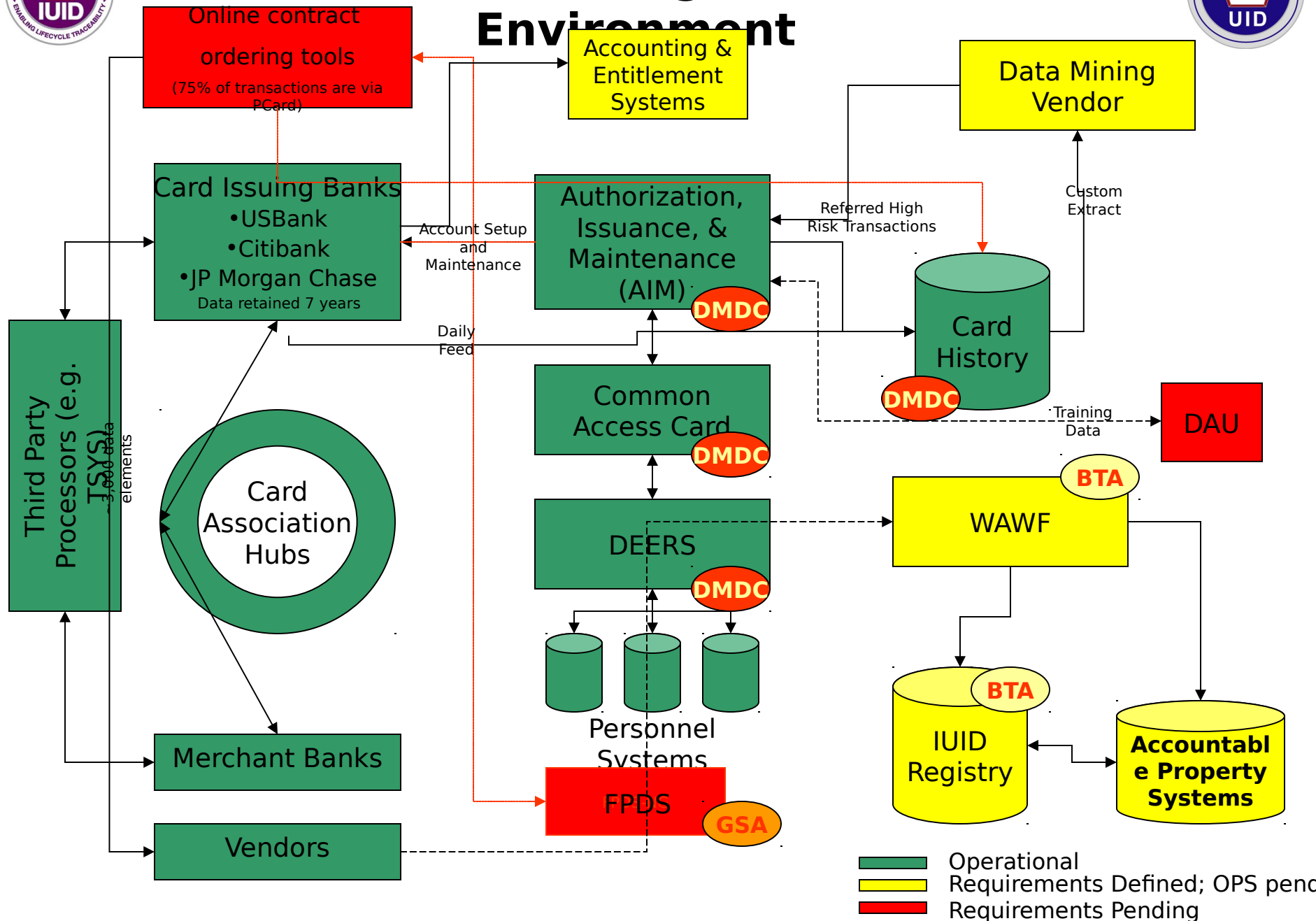
Wide Area Work Flow Integration and Purchase Card

- What business problem exists, and what are the effects of this problem?

Section 1003 of the FY2009 Defense Authorization Act requires DoD to report within 270 days on actions taken to implement the recommendations of GAO Report GAO-08-333. These include a requirement to establish property traceability requirements for items bought under micropurchase procedures.



Purchase Card Integrated Business Environment





Warranty Traceability



What's the issue with Warranties?

- Department lacks the enterprise capability that would provide:
 - Visibility and accountability of warranty data associated to acquired goods;
- Lack of capability results in increased vulnerabilities.
 - Increasing costs
 - Inability to recognize benefits included within cost
 - Inability to recognize performance against government specified warranties
 - Decreased level of insurance for purchased goods
 - Insufficient durations of warranties for specific goods



Keys for Tracking Warranty Performance

Isolate Minimum Data Elements (IUID Items only)

Phase I:

Acquisition Planning

Government Required	Warranty Type & Terms	Warranty Duration
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Phase II:

Solicitation / Contract Award

Contractor Provided	CLIN	Warranty Type & Terms	Duration
Government Required	CLIN	Warranty Type & Terms	

Contract No.
Modification
CLIN / SLIN / ELIN
All IUID Data

Phase III:

Receipt & Acceptance

Contractor Provided	Manufacturer	Warranty Vendor
Government Required	Warranty Procedures	

Phase IV:

Use; New Contracts (issued after JAN 2010)

**** Goal: Clearly define contract data requirements.**



Challenges

- **Adhering to the contract line item rules**
- **Developing an electronic solution for Full Cost of a Delivered Item (including indirect costs and Government Furnished Property)**
- **Establishing standard policy for Government Furnished Property management environment**
- **Marking and managing legacy items**
- **Wide Area Workflow Deployment**
 - Army and DLA at about 60%; 0 sites fully deployed
 - Air Force and Navy are in excess of 75% deployed
 - Receipt vs acceptance
 - Survey conducted; acceptance and receiving reports a challenge
 - Biggest challenge is destination at maintenance locations across DoD as DLA role evolves
 - Engaging logisticians